

ABSTRACT OF THE DISCLOSURE

Disclosed are an LCD capable of realizing a pre-charging method even in the random data-enable mode, and an apparatus and method for driving the same. In the LCD driving apparatus, a timing controller outputs a vertical sync start signal based on a data-enable signal having an irregular output interval to control the output of the image data. A gate driver sequentially applies both first and second gate-on voltages to a same gate line based on the vertical sync start signal. The first gate-on voltage is to drive a previous line being most adjacent to and having the same polarity as the current line, and the second gate-on voltage is to drive the current line. An LCD panel is first charged with the first gate-on voltage supplied from the gate driver, and then charged with the second gate-on voltage, so that it can display analog image data received from the data driver during the second charging.

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